

Title (en)
LOW ENERGY SO2 SCRUBBING PROCESS

Title (de)
NIEDRIGENERGIE WASCHVERFAHREN FÜR SO2

Title (fr)
PROCEDE D'EPURATION DE SO2 A FAIBLE CONSOMMATION D'ENERGIE

Publication
EP 1654052 B1 20080423 (EN)

Application
EP 04737894 A 20040625

Priority
• CA 2004000955 W 20040625
• US 63967803 A 20030813

Abstract (en)
[origin: US2005034600A1] Sulphur dioxide is removed from gas streams by contacting the gas stream with an absorbing medium containing an amine capable of forming an amine salt, heat stable salt and sulfite. The level of heat stable salt is selected such that during the regeneration process of the sulphur dioxide rich amine, the pH of the absorbing medium is at a selected level or below when the level of sulfite in the absorbing medium has been reduced to a specified value. The amine that absorbs the sulphur dioxide has a pKa less than that of sulfite. If the absorbent includes a diamine, then the spent absorbing medium is regenerated under conditions such that at least one amine group remains in salt form.

IPC 8 full level
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CPC (source: EP US)
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